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RAW SEQUENCE LISTING DATE: 12/13/2001
PATENT APPLICATION: US/09/924,125 TIME: 13:58:26

Input Set : A:\ES.txt
Output Set: N:\CRF3\12132001\I924125.raw

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  3 <110> APPLICANT: Communi, Didier
  5 <120> TITLE OF INVENTION: THE NATURAL LIGAND FOR ORPHAN G PROTEIN COUPLED RECEPTOR
GPR86 AND
  6       METHODS OF USE
  8 <130> FILE REFERENCE: 9049/2092
 10 <140> CURRENT APPLICATION NUMBER: 09/924,125
 11 <141> CURRENT FILING DATE: 2001-07-08
 13 <150> PRIOR APPLICATION NUMBER: US 09/924,125
 14 <151> PRIOR FILING DATE: 2001-07-08
 16 <160> NUMBER OF SEQ ID NOS: 9
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1002
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1
 26 atgaacacca cagtgatgca aggcttcaac agatctgagc ggtgccccag agacactcgg     60
 28 atagtacagc tggtattccc agccctctac acagtggttt tcttgaccgg catcctgctg    120
 30 aatactttgg ctctgtgggt gtttgttcac atccccagct cctccacctt catcatctac    180
 32 ctcaaaaaca ctttggtggc cgacttgata atgacactca tgcttccttt caaaatcctc    240
 34 tctgactcac acctggcacc ctggcagctc agagcttttg tgtgtcgttt ttcttcggtg    300
 36 atattttatg agaccatgta tgtgggcatc gtgctgttag ggctcatagc ctttgacaga    360
 38 ttcctcaaga tcatcagacc tttgagaaat atttttctaa aaaaacctgt ttttgcaaaa    420
 40 acggtctcaa tcttcatctg gttctttttg ttcttcatct ccctgccaaa tatgatcttg    480
 42 agcaacaagg aagcaacacc atcgtctgtg aaaaagtgtg cttccttaaa ggggcctctg    540
 44 gggctgaaat ggcatcaaat ggtaaataac atatgccagt ttatttttctg gactgttttt    600
 46 atcctaatgc ttgtgtttta tgtggttatt gcaaaaaaag tatatgattc ttatagaaag    660
 48 tccaaaagta aggacagaaa aaacaacaaa aagctggaag gcaaagtatt tgttgtcgtg    720
 50 gctgtcttct ttgtgtgttt tgctccattt cattttgcca gagttccata tactcacagt    780
 52 caaaccaaca ataagactga ctgtagactg caaaatcaac tgtttattgc taaagaaaca    840
 54 actctctttt tggcagcaac taacatttgt atggatccct taatatacat attcttatgt    900
 56 aaaaaattca cagaaaagct accatgtatg caagggagaa agaccacagc atcaagccaa    960
 58 gaaaatcata gcagtcagac agacaacata accttaggct ga                     1002
 61 <210> SEQ ID NO: 2
 62 <211> LENGTH: 333
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Homo sapiens
 66 <400> SEQUENCE: 2
 68 Met Asn Thr Thr Val Met Gln Gly Phe Asn Arg Ser Glu Arg Cys Pro
 69 1               5                  10                  15
 72 Arg Asp Thr Arg Ile Val Gln Leu Val Phe Pro Ala Leu Tyr Thr Val
 73             20                  25                  30
 76 Val Phe Leu Thr Gly Ile Leu Leu Asn Thr Leu Ala Leu Trp Val Phe
 77         35                  40                  45
 80 Val His Ile Pro Ser Ser Ser Thr Phe Ile Ile Tyr Leu Lys Asn Thr
 81     50                  55                  60
 84 Leu Val Ala Asp Leu Ile Met Thr Leu Met Leu Pro Phe Lys Ile Leu
 85 65                  70                  75                  80
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88 Ser Asp Ser His Leu Ala Pro Trp Gln Leu Arg Ala Phe Val Cys Arg
89                  85                  90                  95
92 Phe Ser Ser Val Ile Phe Tyr Glu Thr Met Tyr Val Gly Ile Val Leu
93             100                 105                 110
96 Leu Gly Leu Ile Ala Phe Asp Arg Phe Leu Lys Ile Ile Arg Pro Leu
97         115                 120                 125
100 Arg Asn Ile Phe Leu Lys Lys Pro Val Phe Ala Lys Thr Val Ser Ile
101     130                 135                 140
104 Phe Ile Trp Phe Phe Leu Phe Phe Ile Ser Leu Pro Asn Met Ile Leu
105 145                 150                 155                 160
108 Ser Asn Lys Glu Ala Thr Pro Ser Ser Val Lys Lys Cys Ala Ser Leu
109                 165                 170                 175
112 Lys Gly Pro Leu Gly Leu Lys Trp His Gln Met Val Asn Asn Ile Cys
113             180                 185                 190
116 Gln Phe Ile Phe Trp Thr Val Phe Ile Leu Met Leu Val Phe Tyr Val
117         195                 200                 205
120 Val Ile Ala Lys Lys Val Tyr Asp Ser Tyr Arg Lys Ser Lys Ser Lys
121     210                 215                 220
124 Asp Arg Lys Asn Asn Lys Lys Leu Glu Gly Lys Val Phe Val Val Val
125 225                 230                 235                 240
128 Ala Val Phe Phe Val Cys Phe Ala Pro Phe His Phe Ala Arg Val Pro
129                 245                 250                 255
132 Tyr Thr His Ser Gln Thr Asn Asn Lys Thr Asp Cys Arg Leu Gln Asn
133             260                 265                 270
136 Gln Leu Phe Ile Ala Lys Glu Thr Thr Leu Phe Leu Ala Ala Thr Asn
137         275                 280                 285
140 Ile Cys Met Asp Pro Leu Ile Tyr Ile Phe Leu Cys Lys Lys Phe Thr
141     290                 295                 300
144 Glu Lys Leu Pro Cys Met Gln Gly Arg Lys Thr Thr Ala Ser Ser Gln
145 305                 310                 315                 320
148 Glu Asn His Ser Ser Gln Thr Asp Asn Ile Thr Leu Gly
149                 325                 330
152 <210> SEQ ID NO: 3
153 <211> LENGTH: 11
154 <212> TYPE: DNA
C--> 155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <221> NAME/KEY: misc_binding
159 <222> LOCATION: (1)..(11)
160 <223> OTHER INFORMATION: NF-kB binding element
163 <400> SEQUENCE: 3
164 ggggactttc c                                                    11
167 <210> SEQ ID NO: 4
168 <211> LENGTH: 31
169 <212> TYPE: DNA
C--> 170 <213> ORGANISM: Artificial
172 <220> FEATURE:
W--> 173 <221> NAME/KEY: primer
174 <222> LOCATION: (1)..(31)
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RAW SEQUENCE LISTING DATE: 12/13/2001
PATENT APPLICATION: US/09/924,125 TIME: 13:58:26

Input Set : A:\ES.txt
Output Set: N:\CRF3\12132001\I924125.raw

175 <223> OTHER INFORMATION: GPR86 human receptor: a sense primer
178 <400> SEQUENCE: 4
179 ccggaattca ccatgaacac cacagtgatg c 31
182 <210> SEQ ID NO: 5
183 <211> LENGTH: 31
184 <212> TYPE: DNA
C--> 185 <213> ORGANISM: Artificial
187 <220> FEATURE:
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189 <222> LOCATION: (1)..(31)
190 <223> OTHER INFORMATION: GPR86 human receptor: anti-sense primer
193 <400> SEQUENCE: 5
194 cttgtctaga tcagcctaag gttatgttgt c 31
197 <210> SEQ ID NO: 6
198 <211> LENGTH: 20
199 <212> TYPE: DNA
C--> 200 <213> ORGANISM: Artificial
202 <220> FEATURE:
W--> 203 <221> NAME/KEY: primer
204 <222> LOCATION: (1)..(20)
205 <223> OTHER INFORMATION: GPR86 sense primer
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209 tgtgtcgttt ttcttcggtg 20
212 <210> SEQ ID NO: 7
213 <211> LENGTH: 18
214 <212> TYPE: DNA
C--> 215 <213> ORGANISM: Artificial
217 <220> FEATURE:
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219 <222> LOCATION: (1)..(18)
220 <223> OTHER INFORMATION: GPR86 antisense primer
223 <400> SEQUENCE: 7
224 ctgccaaaaa gagagttg 18
227 <210> SEQ ID NO: 8
228 <211> LENGTH: 20
229 <212> TYPE: DNA
C--> 230 <213> ORGANISM: Artificial
232 <220> FEATURE:
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234 <222> LOCATION: (1)..(20)
235 <223> OTHER INFORMATION: aldolase sense primer
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239 ggcaagggca tcctggctgc 20
242 <210> SEQ ID NO: 9
243 <211> LENGTH: 23
244 <212> TYPE: DNA
C--> 245 <213> ORGANISM: Artificial
247 <220> FEATURE:
W--> 248 <221> NAME/KEY: primer

RAW SEQUENCE LISTING DATE: 12/13/2001
PATENT APPLICATION: **US/09/924,125** TIME: 13:58:26

Input Set : **A:\ES.txt**
Output Set: **N:\CRF3\12132001\I924125.raw**

249 <222> LOCATION: (1)..(23)
250 <223> OTHER INFORMATION: aldolase antisense reverse primer
253 <400> SEQUENCE: 9
254 taacgggcca gaacattggc att 23

VERIFICATION SUMMARY DATE: 12/13/2001
PATENT APPLICATION: **US/09/924,125** TIME: 13:58:27

Input Set : **A:\ES.txt**
Output Set: **N:\CRF3\12132001\I924125.raw**

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L:173 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:185 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:188 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:200 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:203 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:215 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:218 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:230 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:233 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:245 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:248 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9